

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 080328-501 Job No. JSP0592A Date 06/20/2008
County Camden Route 5 Original Bid Cost \$11,378,348.02
Contractor Dave Kolb Grading, Inc. By Brian VanCardo
Designed By Brian VanCardo Phone (636) 441-0200
VECP 08-42

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The existing conditions call for the installation of Type C Berms as noted per item No. 1070. Our proposed changes call for the elimination of Type C Berms as noted on sheet 5 of 19.

Advantage: The cost of Type C Berms can be eliminated as a result of the means we have chosen to clear for culverts and fill areas. The means with which we are clearing minimizes erodible area. See Attached

2. Estimate of reduction in construction costs. \$76,110.00
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

Elimination of Type C Berms will have no impact on other department cost.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

06/20/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

07/07/2008

(date)

Same Completion Date, Please Notify By 7-07-08

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

None

(date and/or dates)

Construction Value Engineering Concept Proposal

Missouri Department of Transportation

Attachment A

We have chosen to utilize a John Deere 7536 – Feller Buncher. The logging machine is a boom mounted saw and gatherer, which cuts existing vegetation within 4" of existing grade. During the removal process minimal disturbance to the existing landscape and root system will be noted. The design features of the Feller Buncher are to provide a cleared surface while maintaining a non-erodible landscape.

During culvert construction the proposed improvement area will grubbed of all unsuitable material. The limits will be minimized until culvert construction is completed. The existing down trees will be utilized to deter erosion and disposed of following culvert completion.

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: BASED ON THE CONTRACTORS CLEARING METHOD AND THE MINIMAL AMOUNT OF ERODIBLE AREA I RECOMMEND APPROVAL OF THIS V.E. CONCEPT.

Michael K. O'Malley
Submitted By Resident Engineer

6/24/08
Date

Comments:

This is a valid proposal and approval is recommended based on the agreement that both anticipated and un-anticipated conditions with regards to erosion control are addressed during construction operations. Also, changes in erosion control must be reflected on the plans and such costs incurred should be included in the VE costs and subsequent savings.

- ☒ Approval
Recommended
☐ Rejection
Recommended

Roger Schwartz
District Engineer

6/27/08
Date

Comments: Costs incurred to provide the necessary erosion control measures will be reimbursed to the contractor, including overhead, but not profit. Approval is based upon the above comments.

- ☒ Approval
☐ Rejection

OK M for
Dave Adams
State Operations Engineer

6/30/08
Date

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☒ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

*Eliminated Type C Berms by using different equipment to clear for
culverts and fill areas*

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

All